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20 February 2002

INTELLECTUAL PROPERTY LAW

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Attorney Docket: P56645

Sir:

Submitted herewith is the following patent application:

Inventor: 1) DONG-KYUN SEO 5) SUNG-HWAN MOON  
2) JONG-SEO CHOI 6) YOON-CHANG KIM  
3) KYOUNG-CHEON SON 7) SEUNG-KWON HAN  
4) KYU-NAM JOO 8) BU-CHUL SIN

Title: METAL CATHODE AND INDIRECTLY HEATED CATHODE  
ASSEMBLY HAVING THE SAME

Please find attached hereto an application for patent which includes: Specification and Abstract, Claims, original Declaration And Power of Attorney, Assignment, and a certified copy of the foreign priority document identified below:

Verified Showing of Small Entity Status: NO

Drawings: Formal drawings, 3 sheets, Figures 1A through 3B

Claim of priority under 35 U.S.C. §119: YES

\*\* The Republic Of Korea Application No. 2001-8753 filed on 21 February 2001.

FEE (see formula below): CHECKS ARE ENCLOSED (#42063 and #42064)

Basic Fee \$370/740 ..... \$740.00

**Additional Fees:**

Total number of claims in excess of 20: \_\_\_\_ times \$9/18 . \$0.00

Number of independent claims in excess of 3: \_\_\_\_ times \$42/84 ..... \$0.00

Multiple Dependent Claims \$140/280 ..... \$0.00

An Assignment is likewise enclosed: Recording Fee \$40 . \$40.00

Filing Non-English specification ..... \$0.00

**TOTAL FEES FOR THE ABOVE APPLICATION .....** \$780.00

10/07/18 U.S. Pro  
02/20/02

Assistant Commissioner for Patents  
20 February 2002  
Page Two

Docket No.: P56645

Title: METAL CATHODE AND INDIRECTLY HEATED CATHODE ASSEMBLY HAVING THE SAME

Assistant Commissioner is authorized to charge our Deposit Account No. 02-4943 for any additional charges necessary towards payment of the filing fee for the above-referenced application. Please notify the undersigned attorney of any transaction regarding our Deposit Account.

In view of the above, it is requested that this application be accorded a filing date pursuant to 37 CFR 1.53(b).

Please address all correspondence to:

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Respectfully submitted,

Robert E. Bushnell  
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J1.132 U.S.  
02/20/02

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PTO/SB/17 (08-00)

Approved for use through 9/30/2000. OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

# FEE TRANSMITTAL

Patent fees are subject to annual revision.

**Complete If Known**

		Application Number	To be Assigned
		Filing Date	20 February 2002
		First Named Inventor	DONG-KYUN SEO et al.
		Examiner Name	To be Assigned
		Group/Art Unit	To be Assigned
TOTAL AMOUNT OF PAYMENT	(\$) <u>780.00</u>	Attorney Docket No.	P56645

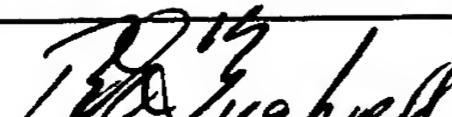
**METHOD OF PAYMENT (check one)**1.  The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:Deposit Account Number: 02-4943

Deposit Account Number: \_\_\_\_\_

 Charge Any Additional Fee Required Under 37 C.F.R. §1.16 and 1.17. Applicant claims small entity status. See 37 CFR 1.27**2. ■ Payment Enclosed:****(CHECK #42063 & #42064)** Check  Credit Card  Money Order  Other**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity		Small Entity			
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge-late filing fee or oath	\$
127	50	227	25	Surcharge-late provisional filing fee or cover sheet	\$
139	130	139	130	Non-English specification	\$
147	2,520	147	2,520	For filing a request for reexamination	\$
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	\$
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	\$
115	110	215	55	Extension for reply within first month	\$
116	400	216	200	Extension for reply within second month	\$
117	920	217	460	Extension for reply within third month	\$
118	1,440	218	720	Extension for reply within fourth month	\$
128	1,960	228	980	Extension for reply within fifth month	\$
119	320	219	160	Notice of Appeal	\$
120	320	220	160	Filing a brief in support of an appeal	\$
121	280	221	140	Request for oral hearing	\$
138	1,510	138	1,510	Petition to institute a public use proceeding	\$
140	110	240	55	Petition to revive - unavoidable	\$
141	1,280	241	640	Petition to revive - unintentional	\$
142	1,280	242	640	Utility issue fee (or reissue)	\$
143	460	243	230	Design issue fee	\$
Total claims	19	-20** =	x	=	
Independent Claims	3	- 3** =	x	=	
Multiple Dependent				=	
** or number previously paid, if greater; For Reissues, see below					
Large Entity		Small Entity			
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	
103	18	203	9	Claims in excess of 20	
102	84	202	42	Independent claims in excess of 3	
104	280	204	140	Multiple dependent claim, if not paid	
109	84	209	42	** Reissue independent claims over original patent	
110	18	210	9	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)		(\$) <u>.00</u>		** Reduced by Basic Filing Fee Paid	
				SUBTOTAL (3)	\$40.00

**SUBMITTED BY****Complete (if applicable)**

Typed or Printed Name	Robert E. Bushnell, Esq.		Reg. Number	27,774
Signature		Date	20 February 2002	Deposit Account User ID

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